

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. SIMUL.080C1	APPLICATION NO. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Jerome, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE Herewith	GROUP Unknown

10/03/86
JC971 U.S. PRO

10/22/01

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
GR	4,736,320	04/05/88	Bristol			
GR	4,740,349	04/26/88	Loftus, et al.			
GR	4,965,742	10/23/90	Skeirik			
GR	5,079,731	01/07/92	Miller, et al.			
GR	5,233,688	08/03/93	Too			
GR	5,251,125	10/05/93	Kamowski, et al.			
GR	5,251,285	10/05/93	Inoue, et al.			
GR	5,253,186	10/12/93	Lipner, et al.			
GR	5,265,035	11/23/93	Reifman, et al.			
GR	5,392,207	02/21/95	Wilson, et al.			
GR	5,444,837	08/22/95	Bomans, et al.			
GR	5,452,238	09/19/95	Kramer, et al.			
GR	5,481,668	01/02/96	Marcus			
GR	5,485,620	01/16/96	Sadre, et al.			
GR	5,499,188	03/12/96	Kline, Jr., et al.			
GR	5,548,682	08/20/96	Umeda, et al.			
GR	5,594,858	01/14/97	Blevins			
GR	5,598,704	01/21/97	Geddes, et al.			
GR	5,611,059	03/11/97	Benton, et al.			
GR	5,817,510	04/01/97	Keyrouz, et al.			
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GR	5,732,277	03/24/98	Kodosky, et al.			
GR	5,812,394	09/22/98	Lewis, et al.			
GR	5,826,236	10/20/98	Narimatsu, et al.			
GR	5,850,221	12/15/98	Macrae, et al.			

EXAMINER	C. WAGNER	DATE CONSIDERED	06/14/99
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<i>C</i>	5,902,352	05/11/99	Chou, et al.	—	—	
<i>C</i>	5,943,652	08/24/99	Sisley, et al.	—	—	

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<i>C</i>	1 Jensen, et al., "A Computer Aided System for Generation of Problem Specific Process Models", <u>Computers chem. Engng</u> , Vol. 20 Suppl. pp. S145-S150, 1996.
<i>C</i>	2 Lin, et al., "Structural Approach to the Synthesis of Control Systems", <u>Trans IChemE</u> , Vol. 72, Part A, pp. 26-37, January 1994.
<i>C</i>	3 Fraga, et al., "CHIPS: A Process Synthesis Package", <u>Trans IChemE</u> , Vol. 72, Part A, pp. 389-394, May 1994.
<i>C</i>	4 Linninger, et al., "M-PROJECT - Organizing Problem Representation and Modeling of Steady State and Dynamic Processes", <u>Computers chem. Engng</u> , Vol. 20, Suppl., pp. S425-S430, 1996.
<i>C</i>	5 Srinivasan, et al., "Automating HAZOP analysis of batch chemical plants: Part I. The knowledge representation framework", <u>Computers Chem. Engng</u> , Vol. 22, No. 9, pp. 1345-1355, 1998.
<i>C</i>	6 Srinivasan, et al., "Automating HAZOP analysis of batch chemical plants: Part II. Algorithms and application", <u>Computers Chem. Engng</u> , Vol. 22, No. 2, pp. 1357-1370, 1998.
<i>C</i>	7 Isomura, et al., "Visual Programming Expedites Process Control", <u>IEEE Computer Applications in Power</u> , pp. 52-57, October 1996.
<i>C</i>	8 SystemBuild, "Visual Design Environment", Integrated Systems, MATRIX _X , (www.isi.com), 7 pages, 1997.
<i>C</i>	9 Jeffreys, "Software Review: Looks may not be deceiving after all", <u>Control Engineering</u> , page 100, August 1998.
<i>C</i>	10 Jeffreys, "Software Review: Structured programming for Quantum PLCs", <u>Control Engineering</u> , page 146, May 1998.
<i>C</i>	11 Automation Software Guide, "Design & Development Tools", <u>Control Engineering/Automation Software Guide</u> , pp. 36-42, March 30, 1998.
<i>A</i>	12 VanDoren, "Software Review: PC-Based Control Software Runs on Schedule", <u>Control Engineering</u> , page 90, January 1998.
<i>C</i>	13 Jeffreys, "Software Review: Graphical programming for analog control", <u>Control Engineering</u> , page 98, June 1998.
<i>C</i>	14 Harrold, "Object-oriented Functional Specs are Key to Surprise-free Automation", <u>Control Engineering</u> , pp. 79-82, June 1998.
<i>C</i>	15 Jeffreys, "Software Review: Structured programming tools for embedded systems", <u>Control Engineering</u> , page 200, September 1998.
<i>C</i>	16 Rodrigues, et al., "Structure Notation of Dynamic Systems: A Pictorial Language Approach", <u>IEEE Computer Society Press</u> , pp. 219-228, May 16-19, 1994.
<i>C</i>	17 Mahalec, "Software Architecture for On-Line Modeling and Optimization", http://www.aspentec.com/articles/onlineop.htm , 16 pages, October 1, 1998.
<i>C</i>	18 "Fig. 2.1: Hierarchy of Plant Automation", http://www.aspentec.com/articles/hieplaut.gif , 1 page, October 1, 1998.
<i>C</i>	19 "Fig. 4.1: Model Initialization", http://www.aspentec.com/articles/modelini.gif , 1 page, October 1, 1998.
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<i>C</i>	21 "Fig. 5.1: Steady-State Modeling & Optimization System", http://www.aspentec.com/articles/fi51stms.gif , 1 page, October 1, 1998.
<i>C</i>	22 "Fig. 5.2: Two Views of an Equation-Oriented Modeling Environment", http://www.aspentec.com/articles/twoviews.gif , 1 page, October 1, 1998.
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<i>C</i>	24 Hardin, et al., "Rigorous Crude Unit Optimization at Conoco's Lake Charles Refinery", http://www.aspentec.com/articles/aprtopt.htm , 18 pages, October 13, 1998.

EXAMINER	<i>C. Muzon</i>	DATE CONSIDERED	<i>06/24/04</i>
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<i>C</i>	25	AspenTech, "Aspen Technology Introduces Aspen Engineering Suite", http://www.aspentec.com/press/980504.htm , 4 pages, October 13, 1998.
<i>C</i>	26	AspenTech, "Plantelligence", http://www.aspentec.com/tp/tpplantelligence.htm , 1 page, October 13, 1998.
<i>C</i>	27	AspenTech, "Plantelligence", http://www.aspentec.com/tp/tpplantelligence2.htm , 1 page, October 13, 1998.
<i>C</i>	28	AspenTech, "Plantelligence", http://www.aspentec.com/tp/tpplantelligence3.htm , 2 pages, October 13, 1998.
<i>C</i>	29.	Benson, "Simulation Modeling And Optimization Using Promodel", Proceedings of the 1996 Winter Simulation Conference, pp 447-452
<i>C</i>	30.	Banks, "Software For Simulation", Proceedings of the 1996 Winter Simulation Conference, pp 31-38, December 8-11, 1996

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EXAMINER	<i>C. Wagner</i>	DATE CONSIDERED	<i>06/24/04</i>
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		APPLICANTS Jerome, et al.	
		FILING DATE HEREWITH	GROUP ART UNIT UNKNOWN

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**EXAMINER
INITIAL**

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

1. Software Development and Licensing Agreement between Shell Oil Products Company and Simulation Sciences, Inc. executed on February 22, 1996.
2. Computer Program License Agreement between Shell Oil Products Company and Simulation Sciences, Inc. executed on December 3 and 24, 1998.
3. Amendment No. 1 to Opera/Mitre Software License Agreement between Shell Oil Products Company and Simulation Sciences, Inc. executed on October 8 and 13, 1998.

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EXAMINER	C. Whalen	DATE CONSIDERED	06/14/04
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